

# ALABAMA DEPARTMENT OF TRANSPORTATION

## THE PRECISION BALANCES SHALL BE IN COMPLIANCE WITH AASHTO M231

Metal construction high capacity precision balances easy to use top loaders capable of withstanding harsh environments ideal for industrial use. The overall dimensions shall not be less than 381 x 321 x 92 mm(WxDxH) with weighing pan no less than 349 x 232 mm. Precision balance shall have maximum weighing capacity of 16200 grams and increments by 0.1 grams with repeatability (SD) 0.1G and linearity not less than 0.3grams. All balances must be traceable to NIST and must have overload protection to protect the weigh cell against weight overload. Balance must be equipped with USB/RS 232 interface built in for computer or printer connection. The balance shall have a Protection Cover which encloses the entire housing, protecting the balance from stains and scratches. The balances shall be furnished with all the standard accessories.

Power supply balance:

100–240 VAC/50–60 Hz, 0.3 A, 12 VDC, 0.84 A and SB  
connecting cable, 8–14.5 VAC, 50/60 Hz

All models shall be new and shall have onsite warranty for  
1 year.